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This strategy is a relevant Plan under Section 38 (4) and Section 44 (3) of the Rural Fires Act 1997.

Locality Map

Datum: GDA_1994_MGA_Zone_56 Geographic Coordinate System: GCS_GDA_1994 Noted scales: True when printed on A0 size paper Local Government Area: Inverell Shire Council

Contact Information			
Agency	Position / Location	Phone	
	Area Manager	0400 531 889	
National Parks & Wildlife Service	Duty Officer (24 hour)	8275 1742	
a mano cornec	Barwon Area Office (bus. hours)	6792 7304	
	NT Zone Manager	6739 6900	
NSW Rural Fire Service New England	NT Duty Officer	6739 6911	
	NT Zone Office	6739 6900	
Forest Corporation of NSW	Coffs Harbour Grafton State Duty Officer Inverell Office	6652 0111 6640 2222 9965 4375 6722 4200	
Fire & Rescue NSW		000	
Emergency Services	Police, Fire, Ambulance	000	
SES	Ashford Unit	132 500	
Police	Yetman	07 4671 9250	
Council	Inverell Shire Council	6728 8288	
Local Aboriginal Land Council	Toomelah LALC	07 4676 2348	
Hospital	Texas Multipurpose Health Service Mingoola Rd, Texas	07 4653 3200	
Permission to Access via Bedwell Downs Road	Lionel Edwards (key 506, 2111 or 2213 req)	0427 404 198	
Permission to Access via Yetman Road	Reg Brost (key 506, 2111 or 2213 req)	0418 157 044 02 6729 9202	

	Communications			
Service Channel		Channel	Location and Comments	
	NPWS Repeaters	335 330 635 Ch + 600	Hallam's Hill North Vote Group Fireground Tower Isolation No direct radio communication is available back to Narrabri. VHF links are through Glen Innes and Tenterfield.	
	RFS	N011	Northern Tablelands Digital Voting.	
	UHF - CB		Small fires channel 10, large fires determined by IMT.	
	Aviation - CTAF	134.70	NIB frequency unless another frequency is allocated on an incident.	
	Mobile		Mobile coverage is unreliable	
	Breon InReach		Text messages may be sent from a personal mobile phone via an InReach handset to another mobile number using the Earthmate app if out of service.	

The critical wildfire season occurs during October to December. This period may extend into January in drier years. Particular care is required during periods of negative Southern Oscillation Indices. The end of the critical fire season is often marked by wet storm activity Effective prescribed burning in areas with LOW - MODERATE Overall Fuel Hazard may need to be conducted once the "critical fire season" and thunderstorm season is over. Prescribed burning attempted after autumn rain is

Fire Season Information

Operational Guidelines There is one IS 3 site near Simpsons Creek Trail just outside of the Nature Reserve at GR 284018 6786856 that could be damaged by water bombing. There are numerous IS 2 sites throughout the reserves that could be damaged by water bombing. f aerial fire suppression activities are required, then fixed wing operations are preferred over rotary wing operations due to potentially less ground disturbance. Aerial operations potentially will have less impact than on bund machinery operations. The location of known indigenous sites to proposed operations should be carefully

All personnel must be fully briefed before back burning operations begin.

ategically important aerial operations where there are no known indigenous sites may be implemented if directed by the IMT. Aerial ignition operations are permitted if directed by the IMT. Aerial operations will be managed by trained and competent personnel. This includes directing aerial The use of bombing aircraft without the support of ground based suppression crews should be limited to very specific circumstances.

Locate and prepare the IS 1 site in the National Park if back burning in the vicinity of Burral Creek. The first combatant agency on site may assume control of the fire, but then must ensure the relevant land management agency is notified promptly. The initial Incident Controller will liaise with the RFS to ensure that the agency in command is determined and an Incident Controller is appointed. New containment lines including hand trails, require the prior consent of a senior NPWS officer who has formulated a plan to protect indigenous sites Construction of new containment lines should be avoided, where practicable, except where they can be constructed with minimal environmental and no indige All personal involved in containment line construction should be briefed on, and must consider both natural and cultural heritage sites in the location.

Dormant trails may be used as control lines. Plant may only be used with the prior consent of a senior NPWS Officer. Plant must always be guided and supervised by an experienced officer and accompanied by a support vehicle (NPWS). When engaged in direct or parallel attack, this vehicle must be a fire fighting vehicle. Plant must be washed down, where practicable, prior to it entering NPWS estate and again on exiting NPWS Minimising the impact of plant on indigenous sites is a priority. Careful consideration should be given to the type of plant engaged to reduce possible disturbance i.e. machine brushing a trail surface for a containment line may be preferable to blading off. All sites should be appropriately flagged if near roads and fire trails. The use of foam, wetting agents and retardants will NOT be permitted within 50 metres of dams and The use of foam, wetting agents and retardants is encouraged to minimise the potential impacts of ground o aerial water pressure on indigenous sites, as long as those sites are outside of the 50 m watercourse buffer.

The aerial use of gels and retardants should be approved by a senior NPWS officer. The use of retardants requires the approval of a senior NPWS officer. Where practicable, containment lines should be stabilised and rehabilitated as part of the wildfire suppression operation. There are no water points on NPWS estate. Consider deployment of a bulk water carrier to support fire Potential smoke impacts and mitigation tactics will be assessed during the planning of fire operations. Burral Yurrul National Park and Nature Reserve are not open to public visitation and access is via private Containment options for fire in the vicinity of Burral Yurrul Nature Reserve and National Park may involve

Heritage Guidelines

documented near creek lines and roads. Of the more than 40 sites identified, only one is IS 1 vulnerable to fire). The remainder of the sites are IS 2 or IS 3 where fire fighting activities such as heavy plant work and water bombing may be detrimental to the sites. Two major clusters of sites exist within the reserves, one in the north east corner of the Nature Reserve near Simpsons Creek and the second in the North East of the National Park near Burral Creek. There are also individual known sites scattered throughout the reserves near fire trails, dormant tracks and in areas not previously accessed by machinery. It is likely that many more sites exist than have been

Fire suppression activities in the reserves must be carefully planned to avoid known Indigenous sites and implemented under the guidance of staff with good local knowledge. Direct attack on lightning trikes has been successful in the past where the fires have been distant from known sites. It is recommended that if fire suppression activities are required in Burral Yurrul National Park or Nature Reserve that a special cell be established within the IMT to ensure known Indigenous sites are protected from the impacts of suppression activities.

All on ground fire fighting staff should be briefed on the importance of cultural heritage in the reserve, site locations near their assigned location and the required protection actions for each site before undertaking suppression activities. 6 1 – As far as possible, protect site from fire. Do not cut down trees. IS 2 – As far as practicable protect the site from fire. Avoid all ground disturbance and driving over sites. Avoid water bombing which may cause ground disturbance

IS 3 – Avoid all ground disturbance. Avoid water bombing. Site may be burnt by fire without damage.

Heritage

Modified trees As far as possible, protect the site from fire, and do not cut trees. Use of foams & retardant is acceptable. Habitation sites

Exclude control line construction from sites. Consider a buffer zone of about 50 metres from the sites. NPWS spatial data must be checked as part of planning for fire operations. There are no known historical sites within the reserve.

Vegetation Formation

The protective actions for threatened fauna have been incorporated into the Operational Guidelines. There are no known threatened fauna sites within the reserve. Fauna & Flora There are some threatened flora sites within the reserves, but their presence would not alter fire suppressi If fire suppression activities have occurred, a site inspection should be undertaken to determine if remedial Soil Erosion works are required, and whether special conditions are required to protect sites. Remedial works should be Management a planned event and operators briefed on the works and Indigenous site protection. If works are required near known sites, they should be supervised by a staff member with good local

Suppression Strategies Intent: Fire history suggests landscape scale fire runs driven by NNW winds is the main fire threat to the reserve. The reserve also has multiple indigenous sites that could be negatively affected primarily from heavy plant disturbance. Fire suppression involves careful planning to protect indigenous sites when direct attack occurs to try to contain the fire

Warning: The reserves are remote and control lines used may be on private property and be of variable

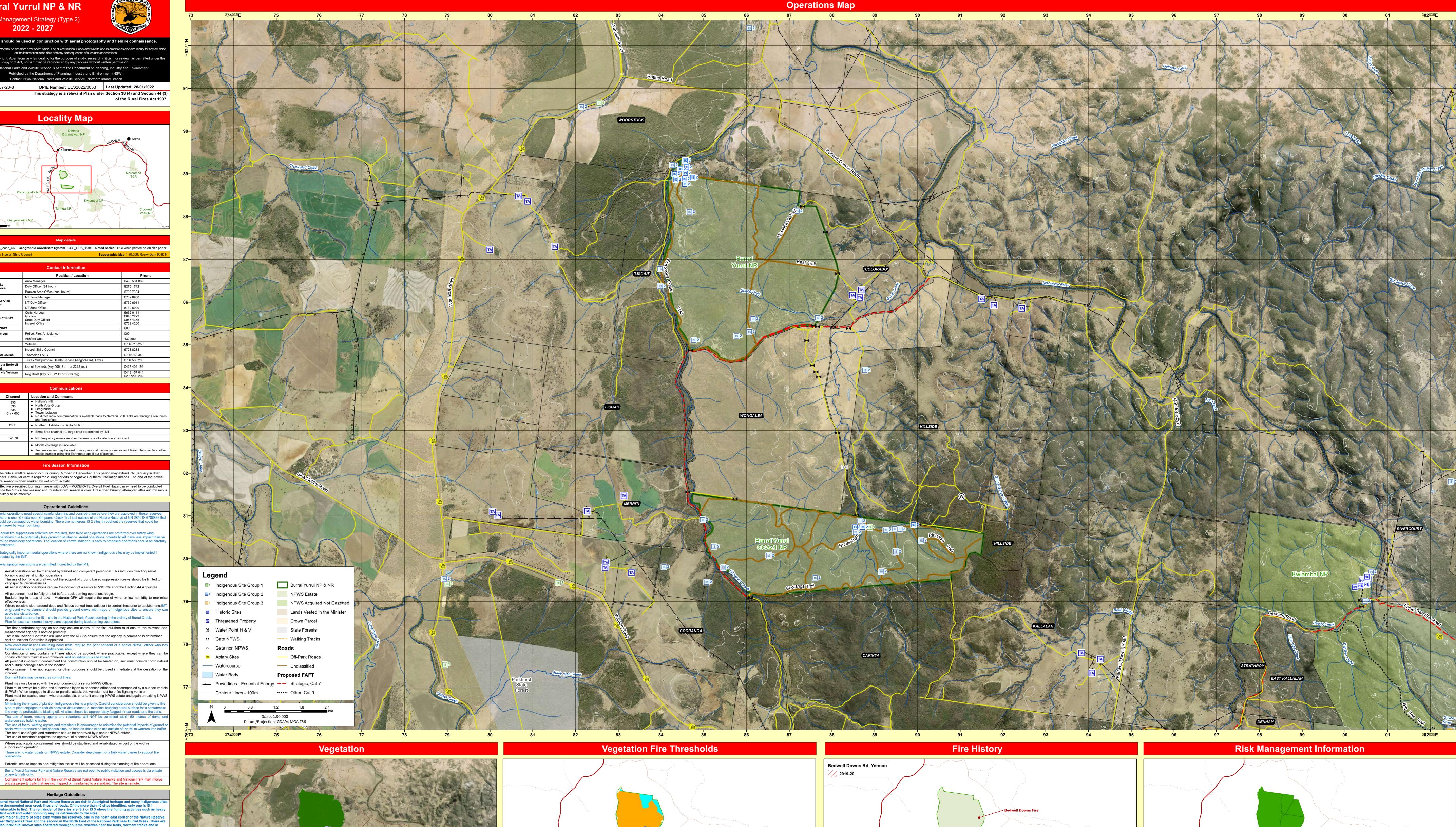
Fire danger rating plant may be used if directed by the IMT once consideration of indigenous sites has occurred. LOW - HIGH

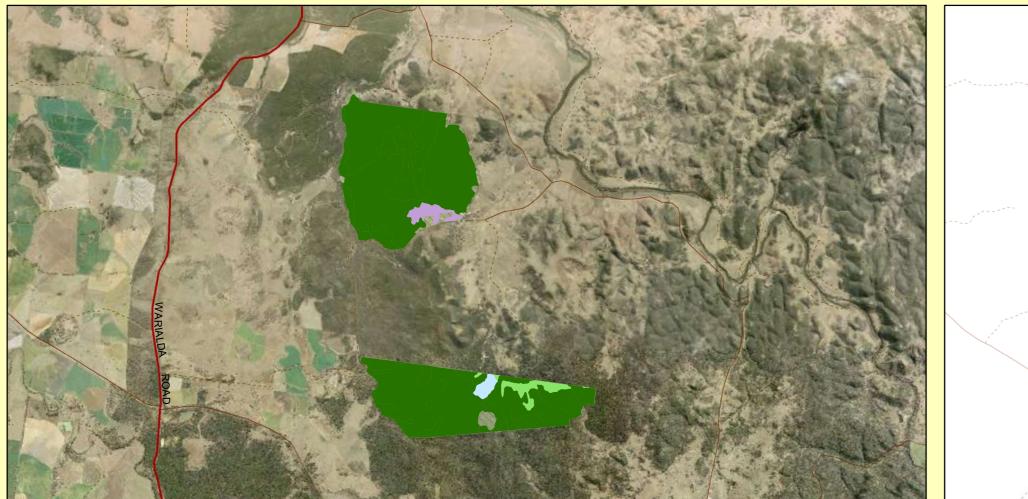
• Consider a broad containment strategy using existing roads, allowing long-term management requirements for biodiversity. Focus actions on limiting the south easterly spread of fire if possible. Close parallel attack, moving around the head only when the fire stops running. Fire danger rating

• Distance between the flank and machinery and fire units should be kept to a minimum. VERY HIGH -EXTREME

maintenance standards.

to a small area. If wildfires are running, working from existing trails to stop the south east run of fires is the priority. Hazard reduction burning which aims to improve the ability to stop south easterly fire runs may be undertaken if indigenous sites can be protected in the HRB. All vegetation types Direct and parallel attack with hand tools and aviation support to extinguish the fire when small. Heavy





interestly interestly and residual continuation and interest and inter

This Keith Formation is in one small patch in the central north of the National Park. Approximately 80% of it was burnt in 2020.

• The potential rates of spread during extended dry season can be High due to Moderate to Very High

to be semi cleared and regrowth areas that are the result of past pastoral events before the creation of the Nature Reserve.

They are nearly always adjacent to Dry sclerophyll (shrubby subformation) and so the fire intervals recommended for this Keith

• In the National Park fire behaviour will be that described for Dry sclerophyll (shrubby subformation).

diversity of fire intervals across the local landscape should be maximised.

his Keith Formation is a small patch associated with Spring Gully in the south east of the Nature Reserve. It has semi cleared

• Potential rates of spread are dependent on seasonal conditions.

unknown vegetation types to its south and east with higher grassy surface and near surface fuels. It has a higher potential to carry fire than some of the surrounding Dry Sclerophyll (shrubby formation).

• Low OFH and hence low rates of spread occur in dry years.

• Low OFH and hence low rates of spread occur in dry years.

• A Low • Moderate OFH may develop after successive wet season.

the south east of the Nature Reserve and in thin slivers in pockets on the boundary of the Nature Reserve. These sites appear • Potential rates of spread are variable from Low to High.

The potential rates of spread during extended dry season can be very high due to very high combined surface fuels. OFH is normally in the range of Moderate to Very High.

A Low - Moderate OFH may develop after successive wet seasons producing continuous ground cover.

In these conditions potential rate of spread may be Moderate to High.

There is a high potential for spotting in this vegetation type.

Fires are often of high intensity.

is Keith Formation is in lower country in the east of the National Park. There is no record of fire in this vegetation type.

be fire in this vegetation type. Most of the Nature Reserve was burnt in 2009, with one small section in the north having no ord of fire. There is no record of fire in the eastern half of the National Park. The western part of the National Park was burnt

In the south of the National park a single pocket of unknown surrounded by Dry sclerophyll (shrubby subformation). This pocket is indistinguishable from Dry Sclerophyll (shrubby subformation), and so the fire intervals recommended for this Keith Formation.

The minimum interval between low intensity fires is more than 5 years.

oid Fire intervals of less than 7 years and greater than 30 years.

void fire intervals of less than 7 years and more than 35 years.

nimum fire interval of 7 years (12 years if Callitris is present).

The minimum interval between low intensity fires is less than 10 years.
A high intensity wildfire should trigger consideration to extend the minimum fire interval.

Type will apply. Avoid Fire intervals of less than 7 years and greater than 30 years.

Formation Type will apply. Avoid Fire intervals of less than 7 years and greater than 30 years.

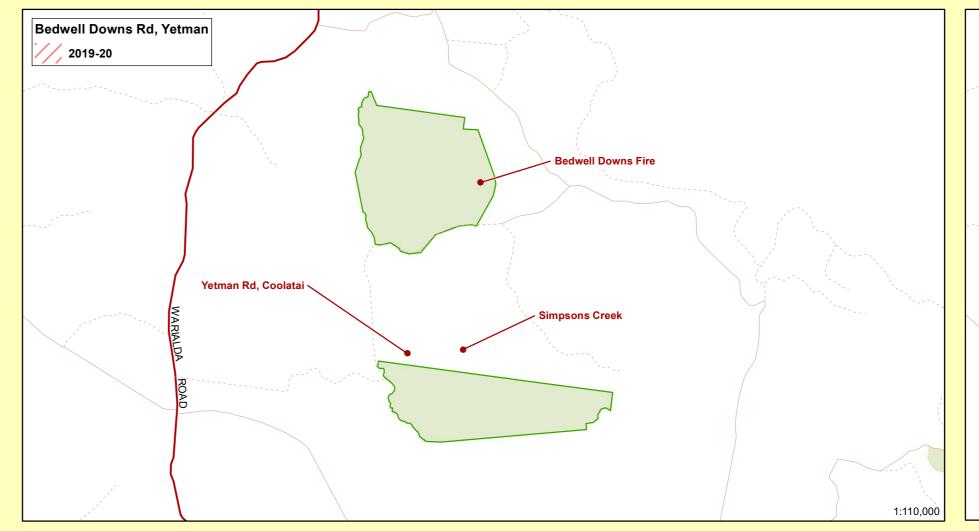
Avoid high intensity fires.

aximum fire interval of 40 years.

A high intensity wildfire should trigger consideration to extend the minimum fire interval.

nigh intensity wildfire should trigger consideration to extend the minimum fire interval.





followed a very similar but larger pathway to the Bedwell Downs Rd fire of 2019/20.

WARIALDA ROAD		
		1:110,000

	Vegetation Threshold	Treatment		
Too Frequently Burnt Fire thresholds have been exceeded. Protect from fire as far as possible.		Fire thresholds have been exceeded. Protect from fire as far as possible.		
	Vulnerable to Frequent Fire			
	Within Threshold			
Long Unburnt Fire frequency is below fire thresholds in the area. A prescribed burn may be advantageous. Consider allowing unplanned fires to burn. Unknown Insufficient data to determine fire threshold. No Regime Assigned Areas which do not have recommended fire intervals assigned to them eg. cleared land, rock		Fire frequency is below fire thresholds in the area. A prescribed burn may be advantageous. Consider allowing unplanned fires to burn.		
		Insufficient data to determine fire threshold.		
		Areas which do not have recommended fire intervals assigned to them eg. cleared land, rock		
	NB. Fire thresholds are defined for vegetation communities to conserve biodiversity			

	Fire Details	Fire Management Zone	Treatment
Prescribed Burn	ere are no records of prescribed burning occurring in Burral Yurrul National Park or Nature Reserve.	Asset Protection Zones	The objective of APZ s is the protection of human life and property. This will have precedence over guidelines for the management of biodiversity. Maintain Overall Fuel Hazard at Moderate or below.
	There are four recorded wildfire events in or around Burral Yurrul National Park and Nature Reserve. The 2014/15 Yetman Road Coolatai and the 2015/16 Bedwell Downs lightning strikes were contained to a small area by direct attack. The other two wildfires had landscape scale characteristics that aligned		
Wildfire	NNW winds with the main timbered ridgelines. The key to breaking up large scale fire runs is to use the limited existing east west road network to contain fire spread.	Strategic Fire Advantage Zones	The objective of SFAZ s is to reduce fire intensity in locations to assist containment of wildfires, by maintaining the Overall Fuel Hazard at HIGH or below.
	2019-20: Bedwell Downs Rd, Yetman – A lightning strike that caused a landscape scale fire of 2,066 ha that was 2 km wide and 11 km long and followed the main timbered ridgelines.		
	2015-16: Bedwell Downs – A lighting strike that was contained to 20 ha by direct attack.		The objective of LMZ s is to conserve biodiversity and protect cultural heritage. Manage fire
2014-15: Yetman Rd, Coolatai - A 4 ha wildfire that was contained by direct attack.		Land Management Zones	consistent with fire thresholds.
	2009-10: Simpsons Creek – A 5,077 ha landscape scale fire that was 3 km wide and 23 km long. It		